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     (FILE 'HOME' ENTERED AT 10:31:06 ON 28 NOV 2005)

     FILE 'CAPLUS' ENTERED AT 10:31:18 ON 28 NOV 2005

     FILE 'REGISTRY' ENTERED AT 10:31:28 ON 28 NOV 2005
L1             1 S 91-08-7/RN
L2             1 S 584-84-9/RN
L3             1 S 108-19-0/RN

     FILE 'CAPLUS' ENTERED AT 10:33:31 ON 28 NOV 2005
L4           625 S L1 AND L2
L5             2 S L4 AND L3

     FILE 'REGISTRY' ENTERED AT 10:34:26 ON 28 NOV 2005

     FILE 'CAPLUS' ENTERED AT 10:34:27 ON 28 NOV 2005

     FILE 'REGISTRY' ENTERED AT 10:34:36 ON 28 NOV 2005

     FILE 'CAPLUS' ENTERED AT 10:34:36 ON 28 NOV 2005

     FILE 'REGISTRY' ENTERED AT 10:34:41 ON 28 NOV 2005

     FILE 'CAPLUS' ENTERED AT 10:34:41 ON 28 NOV 2005

     FILE 'REGISTRY' ENTERED AT 10:35:10 ON 28 NOV 2005

     FILE 'CAPLUS' ENTERED AT 10:35:10 ON 28 NOV 2005

     FILE 'REGISTRY' ENTERED AT 10:35:14 ON 28 NOV 2005

     FILE 'CAPLUS' ENTERED AT 10:35:14 ON 28 NOV 2005

     FILE 'REGISTRY' ENTERED AT 10:35:22 ON 28 NOV 2005

     FILE 'CAPLUS' ENTERED AT 10:35:22 ON 28 NOV 2005
L6             3 S L4 AND MONOAMINE

=> d bib abs 1-3

L6   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2005 ACS on STN
AN   1988:78546  CAPLUS
DN   108:78546
TI   Lubricating grease composition
IN   Koizumi, Takehiro; Matsuzawa, Hideo; Tanaka, Tatsumitsu
PA   Showa Shell Sekiyu K. K., Japan
SO   Jpn. Kokai Tokkyo Koho, 10 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
     ---------------     ----   --------    --------------------     --------
PI   JP 62256893          A2    19871109    JP 1986-98172            19860430
PRAI JP 1986-98172                19860430
AB   Thickeners for lubricating greases, present at 2-30 weight% (preferably 5-20
     weight%) concentration, contain the reaction products of (a) a monoamine
     compound of formula R1NH2 (R1 is an unsatd. or saturated C6-20 alkyl or C6-10
     aryl); (b) a diisocyanate compound of formula OCNR2NCO (R2 is a divalent
     C6-20 aryl); and (c) a diamine compound of formula H2NR3NH2 (R3 is a
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divalent C2-12 alkylene or C6-15 aryl). Thus, a mineral base oil was blended with 12 weight% of a thickener (prepared by reaction of oleyl amine 1.0, a 2,4- and 2,6-mixed tolylenediisocyanate 0.93, and ethylenediamine 0.44 mol) to obtain a lubricating grease having a dropping point of 262°, vs. 178° for a conventional thickener.

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1987:70127 CAPLUS
DN 106:70127
TI Method for preparation of polyurea-thickened lubricant
IN Roeckert, Erich; Gadiel, Heinz; Bergmann, Siegfried; Schmidt, Joachim; Marx, Bruno; Pohl, Siegmund; Koecher, Wolfgang
PA VEB Petrolchemisches Kombinat Schwedt, Ger. Dem. Rep.
SO Ger. (East), 3 pp.
CODEN: GEXXA8
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DD 238167	A3	19860813	DD 1976-201890	19761129
PRAI DD 1976-201890		19761129		

AB A polyurea-thickened lubricant is prepared by reaction of **monoamine** and diisocyanate in the lubricant at 2:(0.95-0.98) amine-diisocyanate ratio and 40-80°, followed by heating at 110-130°. The lubricant can be diluted with organic solvents prior to the reaction, and the solvents are removed under reduced pressure after the completion of the reaction. Thus, 150 kg MDI in 600 kg hydraulic oil was heated at 60°, reacted with 114 kg PhNH2 in 400 kg hydraulic oil, and heated at 120° for 30 min to obtain the final product.

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1964:440224 CAPLUS
DN 61:40224
OREF 61:6954f-h
TI Phenylcyclopropylamides
PA Lakeside Laboratories, Inc.
SO 5 pp.
DT Patent
LA Unavailable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI GB 961313		19640617	GB	
PRAI US		19600226		

GI For diagram(s), see printed CA Issue.
AB A solution of 20.5 g. p-ClC6H4OCH2COCl in 100 ml. C6H6 was added with stirring at room temperature to a mixture of 13.3 g. trans-phenylcyclopropylamine (I) and 13.8 g. K2CO3 in 200 ml. C6H6 to give a precipitate and the reaction mixture stirred an addnl. hr., refluxed 3 hrs., and filtered hot. The filtrate yielded a second precipitate (I.HCl salt) which was removed and the filtrate washed with 5% solution NaOH, H2O, 5% aqueous HCl, and H2O resp. until neutral and distilled to give in 53% yield trans-II (R = p-ClC6H4OCH2), m. 83-5°. Similarly prepared II were (R, m.p., % yield given): 2-piperidino methyl, -, 100; 2-ClCH2, 73-4°, 72; CH2:CH, 77°, 83; 2-(5-oxopyrrolidinyl), -, 82. The title compds. are potent inhibitors of **monoamine** oxidase. I causes marked increase in blood pressure and heart rate, as well as amphetamine-like stimulation of the central nervous system.

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     FILE 'REGISTRY' ENTERED AT 10:31:28 ON 28 NOV 2005
L1             1 S 91-08-7/RN
L2             1 S 584-84-9/RN
L3             1 S 108-19-0/RN

     FILE 'CAPLUS' ENTERED AT 10:33:31 ON 28 NOV 2005
L4           625 S L1 AND L2
L5             2 S L4 AND L3

     FILE 'REGISTRY' ENTERED AT 10:34:26 ON 28 NOV 2005

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     FILE 'CAPLUS' ENTERED AT 10:34:36 ON 28 NOV 2005

     FILE 'REGISTRY' ENTERED AT 10:34:41 ON 28 NOV 2005

     FILE 'CAPLUS' ENTERED AT 10:34:41 ON 28 NOV 2005

=> d l1
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y



L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   91-08-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Benzene, 1,3-diisocyanato-2-methyl- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Isocyanic acid, 2-methyl-m-phenylene ester (8CI)
OTHER NAMES:
CN   2,6-Diisocyanatotoluene
CN   2,6-TDI
CN   2,6-Toluylene diisocyanate
CN   2-Methyl-m-phenylene isocyanate
CN   m-Tolylene diisocyanate
CN   Toluene 2,6-diisocyanate
CN   Tolylene 2,6-diisocyanate
FS   3D CONCORD
DR   137091-34-0
MF   C9 H6 N2 O2
CI   COM
LC   STN Files:   ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT,
       CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CHEMSAFE, CIN,
       CSCHEM, CSNB, DETHERM*, DIPPR*, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB,
       MEDLINE, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER,
       ULIDAT, USPAT2, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
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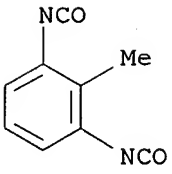
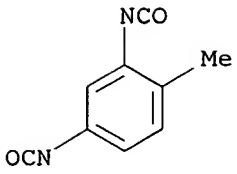


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

767 REFERENCES IN FILE CA (1907 TO DATE)
196 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
767 REFERENCES IN FILE CAPLUS (1907 TO DATE)
18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l2 y

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN **584-84-9** REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, 2,4-diisocyanato-1-methyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Isocyanic acid, 4-methyl-m-phenylene ester (8CI)
OTHER NAMES:
CN 1,3-Diisocyanato-4-methylbenzene
CN 2,4-Diisocyanato-1-methylbenzene
CN 2,4-Diisocyanatotoluene
CN 2,4-TDI
CN 2,4-Toluene diisocyanate
CN 2,4-Toluylene diisocyanate
CN 2,4-Tolylene diisocyanate
CN 4-Methyl-1,3-phenylene diisocyanate
CN 4-Methyl-m-phenylene diisocyanate
CN 4-Methyl-m-phenylene isocyanate
CN NSC 4791
CN NSC 56759
CN Toluene 2,4-diisocyanate
FS 3D CONCORD
DR 856307-56-7, 86-91-9, 59539-76-3
MF C9 H6 N2 O2
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SCISEARCH, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

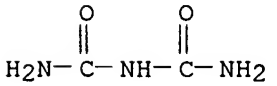


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3659 REFERENCES IN FILE CA (1907 TO DATE)
1402 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3659 REFERENCES IN FILE CAPLUS (1907 TO DATE)
44 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l3
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN **108-19-0** REGISTRY
ED Entered STN: 16 Nov 1984
CN Imidodicarbonic diamide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Biuret (8CI)
OTHER NAMES:
CN Allophanamide
CN Allophanic acid amide
CN Allophanimidic acid
CN Carbamylurea
CN Desmodeyn 75
CN Dicarbamylamine
CN HO 1
CN HO 1 (biuret)
CN Isobiuret
CN NSC 8020
CN Urea, (aminocarbonyl)-
CN Ureidoformamide
FS 3D CONCORD
DR 1866-97-3
MF C2 H5 N3 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1478 REFERENCES IN FILE CA (1907 TO DATE)
172 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1478 REFERENCES IN FILE CAPLUS (1907 TO DATE)
35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d bib abs 1-2

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1981:408136 CAPLUS
DN 95:8136
TI Nitrogen-15 NMR spectroscopy. 27. Spectroscopic characterization of polyurethanes and related compounds
AU Kricheldorf, Hans R.; Hull, William E.
CS Inst. Makromol. Chem., Univ. Freiburg, Freiburg, D-7800, Fed. Rep. Ger.
SO Makromolekulare Chemie (1981), 182(4), 1177-96
CODEN: MACEAK; ISSN: 0025-116X
DT Journal
LA English
AB Natural abundance 15N and 13C NMR spectra of various polyurethanes were measured in trifluoroacetic acid. The polyurethanes were built up from aliphatic diols, polyesters of diols or oligoethylene glycols on the one hand, and from aliphatic α,ω-diisocyanates or aromatic diisocyanates, on the other hand. In addition to the polyurethanes various low mol. weight model compds., such as ureas, biurets, allophanic acid esters, uretdiones, and 1,3,5-triazinetriones, were investigated. The substituent effects of Ph groups in the above compds. were studied in various solvents. 15N NMR spectra were more useful than 13C NMR spectra for the identification of the various isocyanate derivs., while 13C NMR spectra had the advantage of a better signal-to-noise ratio.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1975:592616 CAPLUS
DN 83:192616
TI Biuret group-containing polyisocyanates
IN Woerner, Frank P.; Pohlemann, Heinz; Doerfel, Helmut; Falkenstein, Georg
PA BASF A.-G., Fed. Rep. Ger.
SO U.S., 6 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 3903126	A	19750902	US 1973-423715	19731211
PRAI US 1973-423715	A	19731211		

AB About 20 biuret group-containing polyisocyanates were prepared by reaction of aliphatic or cycloaliph. diamines [e.g., 3,3'-dimethyl-4,4'-diaminodicyclohexylmethane (I), H2N(CH2)8NH2, 1,4-cyclohexanediamine] with diisocyanates [e.g., hexamethylene diisocyanate (II), toluene diisocyanate]. Thus, I was added, dropwise, with stirring at room temperature under N to II, the mixture was heated at 140° for 7 hr, and the excess II distilled off to give a biuret-containing polyisocyanate with an NCO content of 19.9 weight%.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	diisocyanate with biuret with monoamine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/28 10:58

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2097	"toluene diisocyanate".clm.	US-PGPUB; USPAT	OR	OFF	2005/11/28 12:19
L2	96	l1 and biuret.clm.	US-PGPUB; USPAT	OR	OFF	2005/11/28 12:20
L3	2	l2 and monoamine.clm.	US-PGPUB; USPAT	OR	OFF	2005/11/28 12:20